

# STEEL STEAMER or MOTORSHIP.

Received at London Office 21 DEC '36

State if Report has been ~~sent~~ on the Freeboard of the Vessel yes

State if Report is sent on the Machinery of the Vessel yes

Date of completion of report 5<sup>th</sup> Dec 1936

Port of *Hamburg*

No. 22126

Survey held at Hamburg

Date First Survey *21<sup>st</sup> Febr. 1936*

Last Survey 25<sup>th</sup> November 1936

On the (State if Machinery fitted Aft and  
if Single, Twin or Triple Screw)

*Single Super Motor Tanker "RIGEL"*

Machinery fitted aft

State Type (Full Scantling, Complete Superstructure  
with or without Tonnage Openings)

State Type of Erections and Penetration

**TONNAGE under }  
Tonnage Deck... }**

750

CLASS

State if with freeboard }  
as condition of Class }

FEET.

Built at Hamburg, Behl's Work III

Launched 30<sup>th</sup> Oct. 1936 Yard No. 176

*Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.*

**Length** from fore part of stem to after part of stern }  
post on summer L.W.L. See Sec. 3 (1a) }

**Breadth** (*greatest moulded*)

**Depth,** at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) .....

Builders Deutsche Werkst. A. G.

Owners *Aug. Larberg's Nya Aktieförädlag  
Helsingborg*

**Total**

### Gross Tonnage

### Register Tonnage

1st Longitudinal Number (L  $\times$  D).....= 2970

2nd Numeral  $L \times (B + D) \dots\dots\dots = 9306$

## Managers

(Where necessary to be entered in Reg. Book.)

Residence *Tullesborg*

Port of Registry Trelleborg

*If surveyed while building, afloat, or in dry dock*

Surveyed while building a float.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b> .....	610	✓	<b>Bracket Floors, Frame</b> .....	✓	
" " from $\frac{3}{4}$ length to Collision bulkhead.....}	610	✓	" " Reversed Frame .....	✓	
" " in peaks.....	610	✓	" " Vertical Struts .....	✓	
<b>HIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	780 - 8.5	✓
<b>Frame Amidships,</b> <del>WALWORTH</del> [ .....	150 75 7.5 130.75.9		" " top Angles .....	75 75 9	✓
" " Extends up to .....	upper dk.		" " bottom Angles .....	75 75 9.5	✓
<b>Reversed Frame Amidships, Angle</b> .....	✓		<b>Side Girders, No. each side and thickness</b> .....	One 7.5	✓
" " Extends up to .....	✓		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	9	✓
<b>Depth of Framing Girder</b> .....	150		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	✓	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or [</b> .....	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem .....	✓	
" " <b>Second 'tween Decks, Angle, [ or [</b> .....	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem .....	✓	
" " <b>Third</b> " " " <b>A.P.</b> .....	150 75 7.5	✓	" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem .....	✓	
<b>Framing in Peaks, Angle or [</b> .....	130 90 10.5 130.90.10		<b>Tank Side Brackets, height above TANK TOP at toe of Frame and thickness</b>	400 - 8	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	19 - 105		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b> .....	no		Breadth and thickness of Middle Line Strake ..	1900 - 12	✓
<b>PLATING ARRANGEMENTS</b> (Sec. 7), state system and particulars }	Two side stringers and intermediate frames, shell plating increased in thickness for abutting plates in riv.		Thickness of remainder in <del>WALWORTH</del> <b>E. SPACE</b> ..	9	✓
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....	Bottom frames double. Take side girders and bottom plating increased in thickness.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room ? .....	yes	✓
<b>ANGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	✓		<b>Uppermost Continuous Deck, amidships)</b> <del>WALWORTH</del> Angle, <del>WALWORTH</del> .....	130 75 8	✓
Height of Brackets at side above base line at toe of frame .....	✓		" " in way of Bridge, Angle, [ or [ .....	✓	
<b>Middle Line Keelson, on Floors, Angles, [ or [</b> .....	✓		Spacing .....	610	✓
" " " Through Plate or Intercostal Plate .....	✓		<b>Second Deck, amidships, Angle, [ or [</b> .....	✓	
" " " Foundation Plate on Floors .....	✓		Spacing .....	✓	
" " " Flat Plate Keel Angles .....	✓		<b>Third Deck, amidships, Angle, [ or [</b> .....	✓	
<b>Side Keelsons, No. each side</b> .....	one		Spacing .....	✓	
" " thickness of <del>WALWORTH</del> Plate... <b>FACE BAR</b> .....	1100 - 11 200 90 12	✓	<b>Fourth Deck, amidships, Angle, [ or [</b> .....	✓	
" " Angles <b>BOTTOM</b> .....	150 75 11	✓	Spacing .....	✓	
<b>DOUBLE BOTTOM. AFT</b>			<b>Poop Deck, <del>WALWORTH</del> [</b> .....	115 65 7	✓
<b>Solid Floors, thickness and spacing</b> .....	7.5 - 610	✓	Spacing .....	610	✓
" " Are Frame and Reversed Frame joggled ? .....	no		<b>TRUNK</b>		
<b>Bracket Floors, breadth and thickness at middle line</b> .....	✓		<b>Deck, Angle, <del>WALWORTH</del></b> .....	130 75 8	✓
" " breadth and thickness at margin plate .....	✓		Spacing .....	610	✓
			<b>Forecastle Deck, <del>WALWORTH</del> [</b> .....	115 65 7	✓
			Spacing .....	610	✓



## PILLARS AND DECKS.

	mm. IN SHIP.	Any Departure from Approved Plans to be Noted.		mm. IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS</b> , No. of Rows..... <i>Centre Line Bulkhead in way of cargo hatches.</i>	-		Stringer Plate, breadth and thickness in way of Bridge .....	-	
" in 'tween Decks, Size and Spacing.....	-		Thickness of Plating abreast Deck openings in way of Wells .....	-	
" " " " " "	-		Thickness of Plating abreast Deck openings in way of Bridge .....	-	
" in Holds " "	-		Thickness of Plating within line of openings...	-	
" " " " " "	-		If Sheathed, material and thickness .....	-	
<b>Centre Line Bulkhead.</b>	5 115 75 8.5		<b>Third Deck.</b>	-	
Stiffeners and Spacing.....	610		Stringer Plate, breadth and thickness.....	-	
Plating, thickness of .....	7.5, 8, 9.5		If Plated, state thickness.....	-	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>	-	
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	-	
Stringer Plate, breadth and thickness <i>1100</i> 2075-10	-		If Plated, state thickness .....	-	
" " " " in way of Bridge	-		<b>Poop Deck.</b>	-	
" Angle in Wells .....	140. 140. 12		Stringer Plate, breadth and thickness .....	1700. 6.5	
Thickness of Plating abreast Deck openings in way of Wells .....	-		Plating, Sheathing, material and thickness .....	<i>Deegan pine 6.5</i>	
Thickness of Plating abreast Deck openings in way of Bridge .....	-		<b>TRUNK</b>		
Thickness of Plating within line of openings...	-		<b>Bridge Deck.</b>	-	
If Sheathed, material and thickness .....	<i>Not sheathed</i>		Stringer Plate, breadth and thickness.....	9	
<b>Second Deck.</b>			Plating, Sheathing, material and thickness ..	<i>not sheathed</i>	
Stringer Plate, breadth and thickness in Wells...	-		<b>Forecastle Deck.</b>	-	
			Stringer Plate, breadth and thickness.....	1200. 7	
			Plating, Sheathing, material and thickness ..	<i>Deegan pine 6.5</i>	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL .....	1100	14.5	14	12		Double	19	3 1/2 d.	3	22	3 1/2 d.	Lapped.
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes .....2..	1970 1700	10	14	9.5		Double	19	3 1/2 d.	3	19	3 1/2 d.	Lapped
BILGE PLATING, No. of Strakes .....	1700	10	14	9.5		"	19	3 1/2 d.	3	19	3 1/2 d.	"
SIDE PLATING, No. of Strakes .....	2000	10	14	9.5		"	19	3 1/2 d.	2	19	3 1/2 d.	"
UPPER DECK, Sheer-strake in Wells.....	1950	10	14	9		"	19	3 1/2 d.	3	19	3 1/2 d.	"
UPPER DECK, Sheer-strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-
STRAKE BELOW Sheer-strake in Wells.....	-	-	-	-		-	-	-	-	-	-	-
STRAKE BELOW Sheer-strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-
POOP SIDE PLATING .....	-	-	-	6.5		Single	16	4 d.	1	16	4 d.	Lapped
BRIDGE SIDE PLATING ...	-	-	-	-		-	-	-	-	-	-	-
FORECASTLE SIDE PLATING	-	-	7.5	-		Single	16	4 d.	1	16	4 d.	Lapped

## WATERTIGHT BULKHEADS.

*407.*  
Total No. of W.T. BULKHEADS in Vessel— *11*  
Extending to Upper Deck (Sec. 3 c) *5*  
*TRUNK*  
" Deck *6*  
As per Rule *yes*

## STIFFENERS.

	Plating Thickness. mm.	VERTICAL		HORIZONTAL	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds .....					
<b>COLLISION</b> " (in Hold) .....					
<b>AFTER PEAK</b> " " .....					

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings. mm.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....				
<b>STEM</b> .....				
<b>STERN FRAME</b> { Propeller Post .....				
{ INTERM. SHAFT .....				
{ BUDDER .....				
<b>Speed of Vessel</b> .....				
<b>RUDDER—Type</b> .....				
" A x D .....				
" Diam. of head .....				
" Mainpiece at top pintle				
" " heel ...				
" how constructed .....				
" double or single plate coupling, vertical or horizontal .....				

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Gutehoffnungshütte, Oberhausen.*

Has the Steel been tested as required by the Rules? *yes.*



EQUIPMENT No.										LETTER		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
2896	1st Bower ...	21	0	18	✓	✓	✓	21	16	1	0	}	Grimm-Stockless	Olaf Gruson	May delung 3.7.34	
2897	2nd " ...	21	0	23	✓	✓	✓	21	16	1	0		"	"	"	"
2898	3rd " ...	21	1	6	✓	✓	✓	21	18	0	14		"	"	"	"
	Collective weight.	63	2	19								60½				
2899	Stream .....	6	0	23	1	2	19	8	10	0	0	5¾	Ordinary	"	"	

Steering Gear, ~~Power~~ *hydraulic*; efficient      Steering Gear, Hand *yes*, efficient

Boats *2 lifeboats*      Steering Chains, Size and Test *no chains*      Windlass *electric drive*; efficient.

Beeling ~~in Hold~~ <sup>FORM.</sup> thickness and material *65 mm pine*      Cargo Battens, thickness, material and spacing *150.50 pine, spaced 230 mm*

Cargo Hatchways.—(Upper Deck) *Steel plates and angles*      Thickness of Hatches *Steel covers 12.5 mm thick*

*- 8*

Size of No. 1 Hatchway ~~(Bygones)~~ *1140 x 760* No. 2 *-*      No. 3 *-*      No. 4 *-*      No. 5 *-*      No. 6 *-*

Number of Shifting Beams and/or Fore and Afters *none*

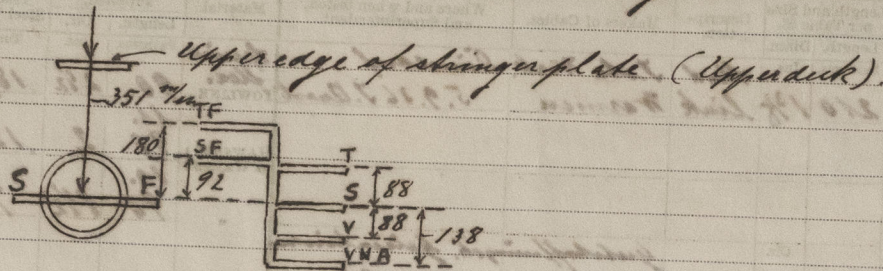
The workmanship is of the best description for this type of vessel is, all parts conforming well with each other, without use of any packing and efficiently riveted together. The peak tanks, double bottom tanks, oil fuel bunkers, oil cargo tanks and coffer dams have been fitted and tested as required by the Rules and were found perfectly tight. The air and sounding pipes of all tanks comply with the Rules. The painting arrangement, the strong throwing for navigation in ice and the strong throwing of the bottom forward have been carried out as approved. The steel material used in the construction of this vessel has been made at works

0235 2/2



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

approved by the Committee and tested by the Society's Surveyors. Anchors and cables have been compared with the certificates and found in order. The Rudder is of special construction; electric welded Simplex Balance Rudder. The pulson as assigned by the Committee has been marked and cut in on vessel's sides, verified same and found correctly marked.



The approved plans are being retained for use in connection with the sister vessels Yard Nos. 211 and 212.

Plan showing vessel as built: Midship Section and Profile - decks are attached.

1 Interim Certificate and 3 Test Certificates attached.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Cruiser stern; Machinery aft; Rudder electrically welded.  
Wireless Telegraphy.

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	Shank	5	2	26	15 ft.	1295	19.6.36	N.S.
2nd	Shank	13	3	26	15 ft.	1298	19.6.36	"
3rd	Shank	13	3	21	15 ft.	1299	19.6.36	"
	Shank	5	3	24	15 ft.	1300	19.6.36	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 63.68 ft., R.Q.D. ft., Bridge ft., Forecastle 29.30 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

No. and Material of Decks 1 Sk (Steel)

Official No. 8117; Signal Letters SLAO

Is bottom of vessel coated with cement? Yes - after plate cement. If not give particulars of composition. Oil tanks not coated, Fresh water tanks in engine space cement.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	-	-	Fore peak tank,	12	39
Double bottom, under Engines and Boilers,	-	-	After peak tank,	12	43
Double bottom, if under Engines only,	22	20	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	-	-	Other tanks, if fitted,	-	-
Total capacity of double bottom		20	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 1468

Date 1.1.36

Dates of Surveys held while building

1936. February 21; March 7, 23, 30; April 3, 9, 15, 20, 29; May 4, 18, 29; June 3, 4, 8, 11, 15, 16, 29; July 3, 8, 10, 15, 22, 25, 27, 31; August 8, 17, 19, 21, 24, 26, 27, 29, 31; Sept 2, 5, 9, 12, 14, 16, 19, 23, 24, 26, 30; Oct 6, 15, 20, 23, 27, 29; Nov 2, 7, 10, 13, 17, 19, 23, 24, 25.

Total No. of Visits 62